

REPORT OF THE COUNCIL TO THE EIGHTY-SECOND ANNUAL
GENERAL MEETING OF THE SOCIETY.

The following table shows the progress and present state of
the Society :—

	Compounders	Annual Subscribers	Total Fellows	Associates	Patron	Grand Total
1900 December 31	250	375	625	46	1	672
Since elected	+ 6	+ 22	...	+ 3	...	...
Deceased	- 6	- 7	...	- 3	...	...
Resigned ... ..	...	- 11	...	...	...	...
Removals ... ..	...	...	...	...	...	...
Expelled ... ..	...	- 4	...	...	...	...
1901 December 31	250	375	625	46	1	672

Mr. Maw's Report as Treasurer of the Royal

RECEIPTS.

Balances, 1901 January 1:—	£	s.	d.	£	s.	d.
At Bankers', as per Pass-book	535	4	4			
Cheque not credited till 1901	4	4	0			
In hand of Assistant Secretary on Petty Cash Account	10	4	6			
				549	12	10
Dividends on £1,250 Metropolitan 3-per-cent. Stock	35	7	11			
Dividends on £932 19 0 Metropolitan 2½-per-cent. Stock	22	0	4			
Dividends on £3,400 East Indian Railway 3-per-cent. Debenture Stock	96	5	3			
Dividends on £3,200 London and North-Western Railway 3-per-cent. Debenture Stock	91	0	0			
Half-year's Dividend on £3,600 Midland Railway 2½-per-cent. Debenture Stock	42	15	0			
Half-year's Dividend on £4,000 Midland Railway 2½-per-cent. Debenture Stock	47	5	10			
Dividends on £1,860 Gas Light and Coke Co. 3-per-cent. Debenture Stock	52	17	10			
Dividends on £1,100 Commercial Gas Co. 4½-per-cent. Debenture Stock	46	14	3			
Interest on £300 on Deposit at Bankers'	3	0	7			
				437	7	0
Received on account of Subscriptions:—						
Arrears	165	18	0			
Annual Contributions for 1901	613	4	0			
" 1902	6	6	0			
Admission Fees	63	0	0			
First Contributions	35	14	0			
				884	2	0
Composition Fees				126	0	0
Sales of Publications:—						
At Williams and Norgate's, 1900	11	5	7			
At Society's Rooms, 1901	73	10	3			
Sales of Photographs, 1901	28	9	6			
				113	5	4
Income Tax refunded by Commissioners of Inland Revenue				21	8	9
Cheques outstanding 1901 December 31				16	19	6
Due to Assistant Secretary on Petty Cash Account				1	19	3
Examined and found correct, 1902 Jan. 8:						
W. B. GIBBS, H. P. HOLLIS, F. W. LEVANDER.				£2,150	14	8

Astronomical Society, from 1901 January 1 to December 31.

EXPENDITURE.

	£	s.	d.	£	s.	d.
Assistant Secretary: Salary	250	0	0			
" " for assistance in editing Society's Publications ...	50	0	0			
				300	0	0
House Duty	2	12	6			
Fire Insurance	9	9	6			
				12	2	0
Printing <i>Monthly Notices</i>	459	12	8			
" Appendix to <i>Monthly Notices</i>	30	3	0			
" " <i>Memoirs</i>	14	16	0			
" Supplementary Library Catalogue ...	64	18	9			
" List of Fellows, Charter and Bye-Laws, and Miscellaneous	23	19	0			
				593	3	5
Computation of Ephemerides in <i>Monthly Notices</i> ...				15	0	0
Turnor and Horrox Funds: Purchases for Library	21	9	10			
Folios and mounts for drawings in Library ...	6	2	6			
				27	12	4
Reproduction of Photographs				21	12	8
Cataloguing astronomical literature for the Inter- national Catalogue of Scientific Literature ...				30	0	0
Clerk's Wages	52	0	0			
Postage and Telegrams	84	8	3			
Carriage of Parcels, &c.	3	5	2			
Stationery (Spottiswoode & Co.)	4	4	6			
Sundry Stationery and Office Expenses	3	7	4			
				147	5	3
Expenses of Meetings	20	0	0			
Lantern Expenses	10	15	0			
Time Signal, &c.	6	10	0			
				37	5	0
House Expenses	67	1	10			
Coals and Gas	53	18	11			
Electric Light Expenses	9	13	4			
Furniture, Repairs, &c.	9	13	10			
Sundry Fittings and Repairs	9	18	11			
Sundries	7	1	5			
				157	8	3
Illuminating Address to His Majesty	5	13	0			
Gold Medals	52	10	0			
				58	3	0
Purchase of £400 Midland Railway 2½-per-cent. Debenture Stock				340	12	6
Cheque-book and deductions on Cheques				11	9	
Repayment to Assistant Secretary of amount due 1901 Jan. 1 on account of Turnor and Horrox Funds				2	0	11
Balances, 1901 December 31:—						
At Bankers', as per Pass-book	101	8	4			
" " on deposit	300	0	0			
In hand of Assistant Secretary on account of Turnor and Horrox Funds	6	9	3			
				407	17	7
				<u>£2,150</u>	<u>14</u>	<u>8</u>

Report of the Auditors.

We have examined the Treasurer's accounts of receipts and expenditure for the year 1901, and have found and certified the same to be correct. The cash in hand on December 31, 1901, including the balance at the bankers', &c., amounted to £407 17s. 7d.

During the past year the sum of £340 12s. 6d. has been invested in the purchase of £400 Midland Railway 2½ per cent. Debenture Stock.

The books, instruments, and other effects in the possession of the Society have been examined, and they appear to be in a satisfactory condition.

We have laid on the table a list of the names of those Fellows who are in arrear for sums due at the last Annual General Meeting of the Society, with the amount due against each Fellow's name.

We wish to call the attention of the Society to the fact that there are now 250 compounding Fellows out of a total number of 625; and that in our opinion it would be conducive to the interests of the Society that the composition fee should be increased.

(Signed) W. B. GIBBS,
H. P. HOLLIS,
F. W. LEVANDER.

Trust Funds.

The Turnor Fund: A sum of £464 18s. East Indian Railway 3-per-cent. Debenture Stock; the interest to be used in the purchase of books for the Library.

The Horrox Memorial Fund: A sum of £103 6s. East Indian Railway 3-per-cent. Debenture Stock; the interest to be used in the purchase of books for the Library.

The Lee and Janson Fund: A sum of £334 10s. 9d. East Indian Railway 3-per-cent. Debenture Stock; the interest to be given by the Council to the widow or orphan of any deceased Fellow of the Society who may stand in need of it.

The Hannah Jackson (née Gwilt) Fund: A sum of £309 18s. 6d. East Indian Railway 3-per-cent. Debenture Stock; the interest to be given in Medals or other awards, in accordance with the terms of the Trust.

Assets and Present Property of the Society, 1902 January 1.

	£	s.	d.	£	s.	d.
Balances, 1901 December 31:—						
At Bankers', as per Pass-book	101	8	4			
" " on deposit	300	0	0			
In hand of Assistant Secretary on account of Turnor and Horrox Funds	6	9	3			
	407	17	7			
Less due to Assistant Secretary on Petty Cash Account	£1	19	3			
Less due to Cheques outstanding	16	19	6			
	18	18	9			
				388	18	10
Due on account of Subscriptions:—						
1 Contribution of 5 years' standing	10	10	0			
2 Contributions of 4 "	16	16	0			
10 " 3 "	63	0	0			
18 " 2 "	75	12	0			
61 " 1 year's standing	128	2	0			
	294	0	0			
Less 3 Contributions paid in advance	16	6	0			
				287	14	0
Due from Williams and Norgate for sales of Publications during 1901				13	16	4
£3,400 East Indian Railway 3-per-cent. Debenture Stock, including the Turnor Fund, the Horrox Memorial Fund, the Lee and Janson Fund, and the Hannah Jackson (née Gwilt) Fund.						
£3,200 London and North Western Railway 3-per-cent. De- benture Stock.						
£4,000 Midland Railway 2½-per-cent. Debenture Stock.						
£1,860 Gas Light and Coke Co. 3-per-cent. Debenture Stock.						
£1,100 Commercial Gas Company 4½-per-cent. Debenture Stock.						
£1,250 Metropolitan 3-per-cent. Stock.						
£932 19 0 Metropolitan 2½-per-cent. Stock.						
Astronomical and other Manuscripts, Books, Prints, and Instru- ments.						
Furniture, &c.						
Stock of Publications of the Society.						
Five Gold Medals.						

Stock in hand of volumes of the *Memoirs*.—

Vol.	At Society's Rooms	At Williams & Norgate's	Vol.	At Society's Rooms	At Williams & Norgate's
I. Part 1	8	...	XXXII.	145	...
I. Part 2	42	...	XXXIII.	154	...
II. Part 1	51	3	XXXIV.	156	...
II. Part 2	16	3	XXXV.	104	1
III. Part 1	65	1	XXXVI.	187	8
III. Part 2	82	1	XXXVII.	330	7
IV. Part 1	77	3	Part 1		
IV. Part 2	89	3	XXXVII.	278	8
V.	100	3	Part 2		
VI.	117	6	XXXVIII.	263	1
VII.	140	3	XXXIX.	228	2
VIII.	124	3	Part 1		
IX.	130	3	XXXIX.	233	2
X.	142	...	Part 2		
XI.	147	...	XL.	248	...
XII.	152	...	XLI.	392	1
XIII.	150	...	XLII.	224	3
XIV.	358	...	XLIII.	221	...
XV.	131	...	XLIV.	205	1
XVI.	157	1	XLV.	238	...
XVII.	140	1	XLVI.	214	2
XVIII.	132	1	XLVII. Part 1	2	...
XIX.	143	...	XLVII. Part 2	18	...
XX.	133	1	XLVII. Part 3	2	...
XXI. Part 1	244	...	XLVII. Part 4	8	...
XXI. Part 2	98	...	XLVII. Part 5	8	...
XXI.	54	...	XLVII. Part 6	9	...
XXII.	156	...	XLVII.	194	1
XXIII.	141	...	XLVIII. Pt. 1	226	1
XXIV.	147	1	XLVIII. Pt. 2	227	1
XXV.	153	...	XLIX. Part 1	352	...
XXVI.	163	1	XLIX. Part 2	236	2
XXVII.	417	1	L.	226	2
XXVIII.	371	...	LI.	257	...
XXIX.	395	1	LII.	307	...
XXX.	147	1	LIII.	322	1
XXXI.	134	...	LIV. App. I.	716	...
			App. II.	745	...
			Index to } Memoirs }	619	2

Stock in hand of volumes of the *Monthly Notices*.—

Vol.	At Society's Rooms	At Williams & Norgate's	Vol.	At Society's Rooms	At Williams & Norgate's
I.	53	...	XXXIII.	86	...
II.	55	...	XXXIV.	65	1
III.	...	...	XXXV.	51	...
IV.	...	...	XXXVI.	25	1
V.	...	...	XXXVII.	31	3
VI.	40	...	XXXVIII.	95	1
VII.	2	...	XXXIX.	95	...
VIII.	151	2	XL.	103	3
IX.	23	3	XLI.	103	5
X.	170	1	XLII.	111	1
XI.	181	...	XLIII.	108	2
XII.	104	1	XLIV.	110	2
XIII.	176	2	XLV.	114	1
XIV.	175	3	XLVI.	107	...
XV.	167	2	XLVII.	122	2
XVI.	152	1	XLVIII.	117	...
XVII.	164	...	XLIX.	108	7
XVIII.	242	...	L.	108	9
XIX.	51	...	LI.	110	6
XX.	31	...	LII.	107	10
XXI.	16	...	LIII.	111	13
XXII.	30	...	LIV.	109	13
XXIII.	17	...	LV.	122	...
XXIV.	22	...	LVI.	120	2
XXV.	13	...	LVII.	127	2
XXVI.	9	...	LVIII.	124	...
XXVII.	3	...	LIX.	129	3
XXVIII.	70	...	LX.	133	4
XXIX.	50	...	LXI.	150	...
XXX.	61	2	1st Index ...	541	1
XXXI.	90	...	2nd „ ...	796	...
XXXII.	106	5			

LIBRARY CATALOGUE	...	...	...	...	540	2
„	„	SUPPLEMENT	...	...	422	...

In addition to the above volumes of the *Monthly Notices*, the Society has a considerable stock of separate numbers of nearly

all the volumes. With the exception, however, of Vols. XXXVI. to LXI., no complete volumes can be formed from the separate numbers in stock.

Celestial Photographs.

The following is a list of reproductions of Celestial Photographs published by the Royal Astronomical Society for sale to the Fellows :—

R.A.S. Ref. No.	Subject.	Photographed by
1	Total Solar Eclipse, 1889 January 1	W. H. Pickering
2	Total Solar Eclipse, 1893 April 16	J. M. Schaeberle
3	Total Solar Eclipse, 1886 August 29	A. Schuster
4	Nebulæ in the <i>Pleiades</i>	Isaac Roberts
5	Nebula M 74 <i>Piscium</i>	Isaac Roberts
6	Great Nebula in <i>Orion</i>	Isaac Roberts
7	Milky Way near M 11	E. E. Barnard
8	Milky Way near Cluster in <i>Perseus</i>	E. E. Barnard
9	Comet <i>c</i> 1893 IV. (Brooks), 1893 October 21	E. E. Barnard
10	Comet <i>a</i> 1892 I. (Swift), 1892 April 7	E. E. Barnard
11	Nebula about η <i>Argûs</i>	David Gill
12	Portion of Moon (Hyginus-Albategnius)	Læwy and Puiseux
13	Comet <i>c</i> 1893 IV. (Brooks), 1893 October 22	E. E. Barnard
14	Comet <i>c</i> 1893 IV. (Brooks), 1893 October 20	E. E. Barnard
15	Comet <i>c</i> 1893 IV. (Brooks), 1893 November 10	E. E. Barnard
16	Comet <i>a</i> 1892 I. (Swift), 1892 April 26	E. E. Barnard
17	Comet <i>f</i> 1892 III. (Holmes), 1892 November 10	E. E. Barnard
18	Comet <i>a</i> 1892 I. (Swift), 1892 April 18	E. E. Barnard
19	Portion of Moon (Alps, Apennines, &c.)	Læwy and Puiseux
20	Nebula in <i>Andromeda</i>	Isaac Roberts
21	<i>Jupiter</i> , 1892 September 26	Lick Observatory
22	Cluster M 13 <i>Herculis</i>	W. E. Wilson
23	Total Solar Eclipse, 1893 April 16 (5 sec.)	J. Kearney
24	Total Solar Eclipse, 1893 April 16 (20 sec.)	J. Kearney
25	The Moon (Age 7 ^d 3 ^h)	Lick Observatory
26	The Moon (Age 12 ^d 6½ ^h)	Lick Observatory
27	The Moon (Age 16 ^d 18 ^h)	Lick Observatory
28	The Moon (Age 23 ^d 8 ^h)	Lick Observatory

R.A.S. Ref. No.	Subject.	Photographed by
29	The Sun, 1892 February 13	Roy. Obs., Greenwich
30	The Sun, 1892 July 8	Roy. Obs., Greenwich
31	Portion of Moon (Region of Maginus)	Lœwy and Puiseux
32	The Moon (Age 14 ^d 1 ^h)	Lick Observatory
33	Portion of Moon (Ptolemæus, &c.)	Lick Observatory
34	Portion of Moon (Mare Serenitatis)	Lick Observatory
35	Portion of Moon (Clavius, Licetus, &c.)	Lick Observatory
36	Portion of Moon (Regiomontanus, &c.)	Lick Observatory
37	Portion of Moon (Tycho, Thebit, &c.)	Lick Observatory
38	Portion of Moon (Theophilus, &c.)	Lick Observatory
39	Total Solar Eclipse, 1896 August 9 (3 sec.)	S. Kostinsky
40	Total Solar Eclipse, 1896 August 9 (26 sec.)	A. Hansky
41	Cluster M 56 <i>Lyræ</i>	
42	Nebulæ M 81, 82 <i>Ursæ Majoris</i>	
43	Cluster M 56 <i>Lyræ</i> (enlarged)	
44	Solar Corona, 1871 December 12, Baikul	H. Davis
45	Solar Corona, 1875 April 6, Siam	Lockyer and Schuster
46	Solar Corona, 1878 July 29, Wyoming	W. Harkness
47	Solar Corona, 1882 May 17, Egypt	Abney and Schuster
48	Solar Corona, 1883 May 6, Caroline Island	Lawrance and Woods
49	Solar Corona, 1885 September 9, Wellington, N.Z.	Radford
50	Solar Corona, 1886 August 29, Grenada, W.I.	A. Schuster
51	Solar Corona, 1887 August 19, Japan	M. Sugiyama
52	Solar Corona, 1889 January 1, California	W. H. Pickering
53	Solar Corona, 1889 December 22, Cayenne	J. M. Schaeberle
54	Solar Corona, 1893 April 16, Fundium	J. Kearney
55	Solar Corona, 1893 April 16, Brazil	A. Taylor
56	Great Nebula in <i>Orion</i>	W. E. Wilson
57	Dumb-bell Nebula, <i>Vulpecula</i>	W. E. Wilson
58	Spiral Nebula, <i>Canes Venatici</i>	W. E. Wilson
59	Spiral Nebula, <i>Canes Venatici</i> (enlarged)	W. E. Wilson
60	Annular Nebula, <i>Lyra</i>	W. E. Wilson
61	Meteor Trail and Comet Brooks, 1893 November 13	E. E. Barnard
62	Total Solar Eclipse, 1898 January 22 (5 sec.)	W. H. M. Christie
63	Total Solar Eclipse, 1898 January 22 (20 sec.)	W. H. M. Christie
64	Solar Corona, 1896 August 9, Novaya Zemlya	G. Baden-Powell
65	Solar Corona, 1898 January 22, Pulgaon, India	E. H. Hills
66	Nebula in <i>Andromeda</i>	Roy. Obs., Greenwich
67	Spectrum of Sun's limb, 1898 January 22	E. H. Hills

R.A.S. Ref. No.	Subject.	Photographed by
68	Annular Nebula, <i>Lyra</i>	Lick Observatory
69	Dumb-bell Nebula, <i>Vulpecula</i>	Lick Observatory
70	Spiral Nebula, <i>Canes Venatici</i>	Lick Observatory
71	Spiral Nebula, <i>Ursa Major</i>	Lick Observatory
72	Trifid Nebula, <i>Sagittarius</i>	Lick Observatory
73	Great Nebula in <i>Orion</i>	Lick Observatory
74	Cluster M 13 <i>Herculis</i>	Lick Observatory
75	Solar Surface with Faculae	G. E. Hale
76	Faculae and Prominences	G. E. Hale
77	Total Solar Eclipse, 1898 Jan. 22 ($\frac{2}{3}$ sec.)	W. H. M. Christie
78	Nebula H V. 14 <i>Cygni</i>	W. E. Wilson
79	Portion of Moon (Theophilus, &c.)	Yerkes Observatory
80	Total Solar Eclipse, 1900 May 28 (30 sec.)	E. E. Barnard
81	Comet 1901 I., 1901 May 4	Roy. Obs., Cape of G. H.
82	Comet 1901 I., 1901 May 6	Roy. Obs., Cape of G. H.
83	Comet 1901 I., 1901 May 9	Perth Obs., W. Australia
84	Solar Surface with Faculae	H. Deslandres
85	Solar Prominences	H. Deslandres

Nos. 44-55 and Nos. 64 and 65 form a series of corona photographs, oriented and reduced to the same scale.

The above photographs are now on sale to Fellows as prints, either platinotype or aristotype, mounted on sunk cut-out mounts, measuring 12 inches by 10 inches, and also as lantern slides. Nos. 44-55 and Nos. 64 and 65 are also supplied as transparencies, $6\frac{1}{4}$ inches square.

Price of prints, 1s. 6d. each ; lantern slides, 1s. each ; packing and postage extra.

Unmounted prints, 1s. each, can be obtained to order.

Transparencies, $6\frac{1}{4}$ inches square (Nos. 44-55 and Nos. 64 and 65), 3s. 6d. each.

Orders to be addressed to W. H. Wesley, Burlington House, London, W. In ordering prints or slides the R.A.S. Reference No. only need be quoted, but in the case of prints it should be stated whether platinotypes or aristotypes are required.

Instruments belonging to the Society.

A brief description of the chief instruments and other particulars relating to them will be found in *Monthly Notices*, vol. xxxvi. p. 126.

- No. 1. The *Harrison* clock.
 „ 2. The *Owen* portable circles, by Jones.
 „ 3. The *Beaufoy* circle.
 „ 4. The *Beaufoy* transit instrument.
 „ 5. The *Herschel* 7-foot telescope.
 „ 6. The *Greig* universal instrument, by Reichenbach and Ertel. The transit telescope, by Utzschneider and Fraunhofer, of Munich.
 „ 7. The *Smeaton* equatorial.
 „ 8. The *Cavendish* apparatus.
 „ 9. The 7-foot Gregorian telescope (late Mr. Shearman's).
 „ 10. The variation transit instrument (late Mr. Shearman's).
 „ 11. The universal quadrat, by Abraham Sharp.
 „ 12. The *Fuller* theodolite.
 „ 13. The standard scale, by Troughton and Simms.
 „ 14. The *Beaufoy* clock, No. 1.
 „ 15. The *Beaufoy* clock, No. 2.
 „ 16. The *Wollaston* telescope.
 „ 17. The *Lee* circle.
 „ 18. The *Sharpe* reflecting circle.
 „ 19. The *Brisbane* circle.
 „ 20. The *Baker* universal equatorial.
 „ 21. The *Reade* transit.
 „ 22. The *Matthew* equatorial, by Cooke.
 „ 23. The *Matthew* transit instrument.
 „ 24. The *South* transit instrument.
 „ 25. A sextant, by Bird (formerly belonging to Captain Cook).
 „ 26. A globe showing the precession of the equinoxes.
 The *Sheepshanks* collection :—
 „ 27. (1) 30-inch transit instrument, by Simms, with level and two iron stands.
 „ 28. (2) 6-inch transit theodolite, with circles divided on silver; reading microscopes, both for altitude and azimuth; cross and siding levels; magnetic needle; plumb-line; portable clamping foot and tripod stand.
 „ 29. (3) Equatorial stand and clock movement for 4 $\frac{6}{10}$ -inch telescope (telescope lost); double-image micrometer; two wire micrometers; object-glass micrometer.
 „ 30. (4) 3 $\frac{1}{4}$ -inch achromatic telescope, with equatorial stand; double-image micrometer; one terrestrial and three astronomical eyepieces.

- No. 31. (5) $2\frac{3}{4}$ -inch achromatic telescope, with stand ; one terrestrial and three astronomical eyepieces.
- „ 33. (7) 2-foot navy telescope.
- „ 34. (8) Transit instrument of 45 inches focal length, with iron stand and also Y's for fixing to stone piers ; two axis levels.
- „ 35. (9) Repeating theodolite, by Ertel, with folding tripod stand.
- „ 36. (10) 8-inch pillar sextant, by Troughton, divided on platinum, with counterpoise stand and artificial horizon.
- „ 37. (11) Portable zenith telescope and stand, $2\frac{3}{4}$ -inch aperture and 26 inches focal length ; 10-inch horizontal circle and 8-inch vertical circle, reading to $10''$ by two verniers to each circle.
- „ 38. (12) 18-inch Borda repeating circle, by Troughton, $2\frac{1}{8}$ -inch aperture and 24 inches focal length ; the circles divided on silver, the horizontal circle being read by four verniers, and the vertical circle by three verniers, each to $10''$.
- „ 39. (13) 8-inch vertical repeating circle, with diagonal telescope, by Troughton and Simms ; circle divided on silver, reading to $10''$; a 5-inch circle at eye-end, reading to single minutes ; horizontal circle 9 inches diameter in brass to single minutes.
- „ 40. (14) A set of surveying instruments, consisting of a 12-inch theodolite for horizontal angles only, reading to $10''$; two sets of adjusting plates ; tripod stand with enclosed telescope ; heavy stand for theodolite ; Y-piece of level ; two large and three small ground-glass bubbles divided ; level collimator, object-glass $1\frac{5}{8}$ -inch diameter and 16 inches focal length ; micrometer eyepiece, comb, and wires ; mercury bottle and trough.
- „ 41. (15) Level collimator, with object-glass $1\frac{7}{8}$ -inch diameter and 16 inches focal length ; stand, rider-level, and fittings.
- „ 42. (16) 10-inch reflecting circle by Troughton, reading by three verniers to $20''$; counterpoise stand ; artificial horizon, with mercury ; two tripod stands.
- „ 43. (17) Hassler's reflecting circle, by Troughton, with counterpoise stand.
- „ 44. (18) 6-inch reflecting and repeating circle, by Troughton and Simms, contained in three boxes, two of which form stands. Circle divided on silver, reading to single minutes ; two inside arcs divided to single degrees, 150 degrees on each side ; artificial horizon and mercury.
- „ 45. (19) 5-inch reflecting and repeating circle, by Lenoir, of Paris.
- „ 46. (20) Reflecting circle, by Jecker, of Paris, 11 inches in diameter, with one vernier reading to $15''$.

- No. 47. (21) Box sextant ; reflecting plane and level.
 „ 48. (22) Prismatic compass, by Troughton and Simms.
 „ 49. (23) Mountain barometer.
 „ 50. (24) Prismatic compass, by Thomas Jones, mounted with a cylindrical lens.
 „ 51. (25) Ordinary $4\frac{1}{2}$ -inch compass with needle.
 „ 52. (26) Dipping needle, by Robinson.
 „ 53. (27) Compass needle, mounted for variation.
 „ 54. (28) Magnetic intensity needle, by Meyerstein, of Göttingen ; a strongly fitted brass box with heavy magnet ; filar suspension.
 „ 55. (29) Box of magnetic apparatus.
 „ 56. (30) Hassler's reflecting circle, by Troughton ; a $10\frac{1}{2}$ -inch reflecting and repeating circle, with stand and counterpoise, divided on platinum with two movable and two fixed indices ; four verniers reading to $10''$.
 „ 57. (31) Box sextant and glass plane artificial horizon, by Troughton and Simms.
 „ 58. (32) Plane $2\frac{3}{8}$ -inch speculum, artificial horizon and stand.
 „ 59. (33) $2\frac{1}{2}$ -inch circular level horizon, by Dollond.
 „ 60. (34) Artificial horizon, roof, and trough ; the trough $8\frac{1}{4}$ by $4\frac{1}{2}$ inches ; tripod stand.
 „ 61. (35) Set of drawing instruments, consisting of 6-inch circular protractor and common protractor, T-square ; one beam compass.
 „ 62. (36) A pantograph.
 „ 63. (37) A noddy.
 „ 64. (38) A small Galilean telescope with object-glass of rock crystal.
 „ 65. (39) Five levels.
 „ 66. (40) 18-inch celestial globe.
 „ 67. (41) Varley stand for telescope.
 „ 69. (43) Telescope, with object-glass of rock crystal.
 „ 71. Portable altazimuth tripod.
 „ 72. Four polarimeters.
 „ 74. Registering spectroscope, with one large prism.
 „ 76. Two five-prism direct-vision spectroscopes.
 „ 78. $9\frac{1}{4}$ -inch silvered-glass reflector and stand, by Browning.
 „ 79. Spectroscope.
 „ 80. A small box, containing three square-headed Nicol's prisms ; two Babinet's compensators ; two double-image prisms ; three Savarts ; one positive eyepiece, with Nicol's prism ; one dark wedge.
 „ 81. A back-staff, or Davis' quadrant.
 „ 82. A nocturnal or star dial.
 „ 83. An early non-achromatic telescope, of about 3 feet focal length, in oak tube, by Samuel Scatliffe, London.
 „ 84. A Hollis observing chair.
 „ 85. Double-image micrometer, by Troughton and Simms.

- No. 86. $4\frac{1}{2}$ -inch Gregorian reflecting telescope, by Short, with altazimuth stand and 6-inch altitude and azimuth circles and two eyepieces.
- „ 87. $3\frac{1}{4}$ -inch Gregorian reflecting telescope with wooden tripod stand.
- „ 88. Pendulum, with 5-foot brass suspension rod, working on knife-edges, by Thomas Jones.
- „ 89. A Rhabdological Abacus. A contrivance invented by Mr. H. Goodwyn, consisting of a box filled with compartments, in which are square rods covered with numbers, which can be arranged so as to facilitate the labour of multiplying high numbers.
- „ 90. An Arabic celestial globe of bronze, $5\frac{3}{4}$ inches in diameter.
- „ 91. Astronomical time watch-case, by Professor Chevallier.
- „ 92. 2-foot protractor, with two movable arms, and vernier.
- „ 93. Beam compass, in box.
- „ 94. 2-foot navigation scale.
- „ 95. Stand for testing measures of length.
- „ 96. Artificial planet and star, for testing the measurement of a fixed distance at different position angles.
- „ 97. 12-cell Leclanché battery.
- „ 98. 2-foot 6-inch navy telescope, with object-glass $2\frac{1}{2}$ inches, by Cooke, with portable wooden tripod stand.
- „ 99. 12-inch transit instrument, by Fayrer and Son, with level and portable stand.
- „ 100. 9-inch transit instrument, with level and iron stand.
- „ 101. Small equatorial sight instrument, by G. Adams, London.
- „ 102. Sun-dial, by Troughton.
- „ 103. Sun-dial, by Casella.
- „ 104. Sun-dial.
- „ 105. Box sextant, by Troughton and Simms.
- „ 106. Prismatic compass, by Schmalcalder, London.
- „ 107. Compass, by C. Earle, Melbourne.
- „ 108. Prismatic compass, by Negretti and Zambra.
- „ 109. Dipleidoscope, by E. Dent.
- „ 110. Abney level, by Elliott.
- „ 111. Pocket spectroscope, by Browning.
- „ 112. Universal sun-dial.
- „ 113. Double sextant, by Jones.
- „ 114. Two models, illustrating the effects of circular motions.
- „ 115. A cometarium.
- „ 117. Two old sun-dials.
- „ 118. A $10\frac{1}{2}$ -inch sixteenth-century celestial globe, on bronze tripod stand.
- „ 119. Specimens of diffraction gratings, by Prof. W. A. Rogers.
- „ 120. A 6-prism spectroscope, by Browning.
- „ 121. Spitta's improved maximum and minimum thermometer.

- No. 122. A 6-inch speculum, with flat; the speculum said to be by Sir W. Herschel, and re-figured by Sir J. Herschel.
- „ 123. A 6-inch refracting telescope, by Grubb, with 3 eyepieces.
- „ 124. Position micrometer, by Cooke.
- „ 125. A 6-inch refracting telescope, by Simms, with eyepieces and solar diagonal.
- „ 126. $3\frac{1}{2}$ -inch portable refracting telescope, by Tulley, with tripod stand.
- „ 127. Globe representing the visible surface of the Moon, by John Russell, R.A. (1797).
- „ 128. Bichromate battery and Ruhmkorff coil.
- „ 129. Slater's improved armillary sphere.
- „ 130. 10-inch brass pillar sextant with counterpoise stand, by Troughton.
- „ 131. Double box sextant, by Cary.
- „ 132. Equatorially mounted camera with $2\frac{1}{2}$ -inch portrait lens and telephotographic enlarging lens by Dallmeyer; iron pillar.
- „ 133. $3\frac{1}{4}$ -inch equatorial by Ross, with tall tripod stand, equatorial mounting, eyepieces, and micrometer.
- „ 134. Old transit instrument, 2-inch aperture and 3 feet focal length (without stand), formerly belonging to Dr. Longfield, of Cork.
- „ 135. Globe of Mars, by E. M. Antoniadi.
- „ 136. A small universal instrument by W. and S. Jones, London; the telescope $1\frac{1}{2}$ -inch aperture and 15 inches focal length. [Presented by Miss Moore.]
- „ 137. Polar siderostat by Hilger, with $4\frac{1}{8}$ -inch mirrors. [Presented by Mr. Alexr. Foote.]
- „ 138. Transit instrument, aperture $2\frac{3}{4}$ -inch, with collimator and stand. [Presented by Mrs. Cross.]
- „ 139. Transit instrument, aperture $1\frac{1}{2}$ -inch, with portable stand. [Presented by Mrs. Cross.]
- „ 140. $3\frac{3}{4}$ -inch object-glass and tube. [Presented by Mrs. Cross.]

Besides the above, there is the following apparatus available for eclipse work :—

- 4 Slits for spectroscope.
- Abney doublet lens used in photographing the corona.
- 2 Dallmeyer negative enlarging lenses.
- Cœlostast with 16-inch plane mirror.

The following instruments are lent, during the pleasure of the Council, to the undermentioned persons :—

- No. 4. The *Beaufoy* transit instrument, to the Observatory, Kingston, Canada.

- No. 22. The *Matthew* equatorial, to Mr. C. Thwaites.
 „ 23. The *Matthew* transit, to Captain W. Noble.
 „ 28. (2) 6-inch theodolite and stand, to Dr. A. A. Common.
 „ 29. (3) Equatorial mounting, clock, &c., to the Rev. C. D. P. Davies.
 „ „ Wire micrometer (No. 2), to the Rev. C. D. P. Davies.
 „ 30. (4) $3\frac{1}{4}$ -inch equatorial and stand, to Mr. C. H. Johns.
 „ „ Double-image micrometer, to the Rev. W. J. B. Roome.
 „ 57. (31) Box sextant, to Dr. A. A. Common.
 „ 69. (43) Telescope with rock-crystal object-glass, to Sir W. Huggins.
 „ 72. (c) Polarimeter, to Professor C. Michie Smith.
 „ 78. $9\frac{1}{4}$ -inch reflector and stand, to the Rev. W. J. B. Roome.
 „ 80. Box of polariscopic apparatus, to Mr. H. F. Newall.
 „ 98. 2-foot 6-inch navy telescope, to the Rev. J. M. Bacon.
 „ 123. 6-inch telescope, by Grubb (object-glass only), to Mr. W. E. Wilson.
 „ 125. 6-inch refractor, by Simms, to Dr. A. A. Common.
 „ 133. $3\frac{1}{4}$ -inch equatorial, by Ross, to Dr. A. W. Roberts.

Award of Medals.

The Council have awarded the Society's Gold Medal to Professor J. C. Kapteyn, for his work in connection with the Cape Photographic Durchmusterung, and his researches on stellar distribution and parallax. The President will lay before the Society the grounds upon which the award has been founded.

The Hannah Jackson (née Gwilt) Gift and Bronze Medal have been awarded to the Rev. Thomas D. Anderson for his discovery of *Nova Aurigæ* and *Nova Persei*.

Reprinting of Astronomical Papers from the Publications of the Royal Society.

By the courtesy of the Royal Society permission has been granted to the Council of the Royal Astronomical Society to issue to the Fellows, in the form of Appendices to the *Memoirs* and *Monthly Notices*, papers of astronomical interest which appear in the *Philosophical Transactions* and *Proceedings* of the

Royal Society. The Council of the Royal Society have also further kindly arranged that notice be sent to the Royal Astronomical Society as soon as papers which might be required are in type, so that the additional copies for the Appendices to the *Memoirs* or *Monthly Notices* can be obtained before the type is distributed, the Royal Astronomical Society paying for the cost of striking off the additional copies.

During the past year four numbers of Appendix to vol. lxi. of the *Monthly Notices* have been published, containing, amongst others, a series of papers on *Nova Persei*, by Sir Norman Lockyer; and one Appendix to vol. lxii., containing the preliminary reports of the observers of the total solar eclipse of 1901.

The following Appendices to vol. liv. of the *Memoirs* have also been issued:

- I. Sir Norman Lockyer, Total eclipse of the Sun, 1898 January 22; observations at Viziadrug.
- II. J. Evershed, Wave-length determinations and general results obtained from a detailed examination of spectra photographed at the solar eclipse of 1898 January 22.

Address to His Majesty.

The Council have pleasure in announcing that His Majesty King Edward VII. was graciously pleased to accept the Address of condolence and homage, the text of which was printed on p. 181 of last year's Annual Report. The Address was presented by the President and Secretary, and was received by His Majesty in person at St. James's Palace on March 20, 1901.

On April 18 a letter was received by the President from General Sir D. Probyn, Keeper of H.M. Privy Purse, announcing that His Majesty had graciously consented to become the Patron of the Society.